

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2004-078316

(43)Date of publication of application : 11.03.2004

(51)Int.Cl.

G06T 7/20

B25J 5/00

B25J 13/08

G06T 1/00

(21)Application number : 2002-234066

(71)Applicant : HONDA MOTOR CO LTD

(22)Date of filing : 09.08.2002

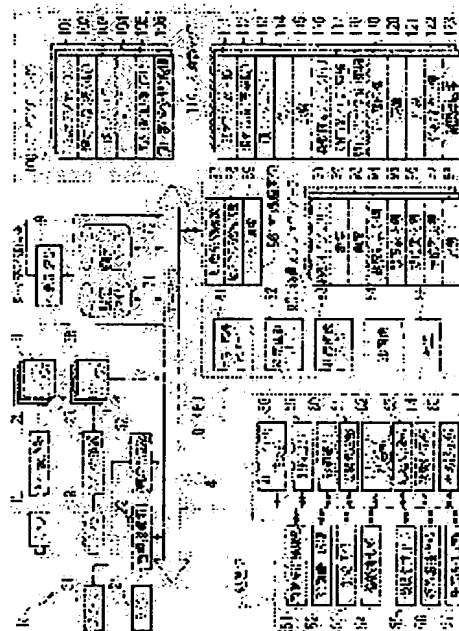
(72)Inventor : HIGAKI NOBUO
SAKAGAMI YOSHIAKI
SUMITA NAOAKI

(54) ATTITUDE RECOGNITION DEVICE AND AUTONOMOUS ROBOT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an attitude recognition device which can highly reliably recognize an attitude at high speed even if it is mounted on a mobile object which can freely move.

SOLUTION: The attitude recognition device recognizing an instruction that the attitude of a person in a periphery means from an image obtained in an image pickup means has a contour extracting means extracting the contour of an object being the candidate of the person from the image, a distance calculation means calculating a distance to the object being the candidate of the person from distance information at every pixel in the contour in the image, a searching means searching the candidate of a hand of the person on the basis of the distance between the outline and the object of the contour, and an attitude deciding means deciding an instruction corresponding to a relative position between the candidate of the hand and the contour and setting a decided result to be an attitude recognition result.



LEGAL STATUS

[Date of request for examination]

29.11.2004

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]